**Ques:** An a.c. generator consists of a coil of 1000 turns and cross-sectional area of 3m2, rotating at a constant angular speed of 60 rad s-1 in a uniform magnetic field 0.04 T. The resistance of the coil is 500Ω. Calculate the maximum current drawn from the generator.
a) 2500 A
b) 1.44 A
c) 6.25 A
d) 0.55 A

**Answer:**

